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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of) Examiner: W. JUNG
A. QUAID, et al.)
Serial No.: 10/621,119) Art Unit: 3768
Filed: July 16, 2003) Confirmation: 9089
For: **GUIDANCE SYSTEM AND**)
METHOD FOR SURGICAL)
PROCEDURES WITH)
IMPROVED FEEDBACK)
Date of Last Office Action:)
June 16, 2006)
Attorney Docket No.:) Cleveland, OH 44114
MAKO 2 00027-3) September 27, 2006

37 CFR 1.97(c) INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The applicants wish to bring the references cited on the attached PTO-1449 form to the attention of the Examiner.

This Information Disclosure Statement is being filed before a Final Office Action or Notice of Allowance, but after a first Office Action on the merits. Accordingly, the 37 CFR 1.17(p) fee in the amount of \$ 180.00 is due.

The applicants authorize this fee to be charged to a Credit Card and enclose an appropriate form PTO-2038 for this purpose.

Certificate of Mailing

I certify that this **INFORMATION DISCLOSURE STATEMENT** in connection with Ser. No. 10/621,119 is being
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AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date
September 28, 2006

Signature
Hilary M. McNulty
Printed Name
Hilary M. McNULTY

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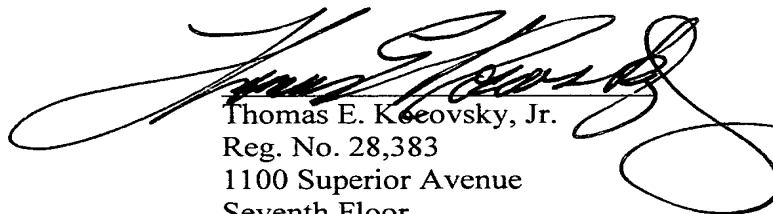
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An early indication that all references have been considered is requested.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP

A large, stylized handwritten signature in black ink, which appears to read "Tom Keeovsky, Jr.", is written over the printed name and address.

Thomas E. Keeovsky, Jr.
Reg. No. 28,383
1100 Superior Avenue
Seventh Floor
Cleveland, OH 44114-2579
(216) 861-5582



Substitute Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S) Sheet 1 of 2	Complete if Known	
	Application Number	10/621,119
	Filing Date	July 16, 2003
	First Named Inventor	QUAID, et al.
	Art Unit	3768
	Examiner Name	W. JUNG
Attorney Docket No.		MAKO 2 00027-3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	AA	US 2004/0167654 A1	08/26/2004	Grimm, et al.
	AB	US 6,642,686 B1	11/04/2003	Ruch
	AC	US 5,792,147	08/11/1998	Evans, et al.
	AD			
	AE			
	AF			
	AG			
	AH			
	AI			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T
	AJ				<input type="checkbox"/>
	AK				<input type="checkbox"/>
	AL				<input type="checkbox"/>
	AM				<input type="checkbox"/>

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	AN	Rosenberg, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance in Telepresence Tasks", Ph.D. Thesis, Stanford University, August 1994	<input type="checkbox"/>
	AO	Park, et al., "Virtual Fixtures for Robotic Cardiac Surgery", Proc. Medical Image Computing and Computer-Assisted Intervention, Utrecht, NL, Oct. 2001	<input type="checkbox"/>
	AP	Bettini, et al., "Vision Assisted Control For Manipulation Using Virtual Fixtures: Experiments at Macro and Micro Scales", Proc. 2002 IEEE Int'l. Conf. on Robotics and Automation, Washington, DC, May 2002	<input type="checkbox"/>
	AQ	Davies, et al. "The Use of Force Control in Robot Assisted Knee Surgery", Proc. of the First Annual Symposium on Medical Robotics and Computer Assisted Surgery, V. 2, Pittsburgh, PA, pp. 258-262, Sept. 1994	<input type="checkbox"/>
	AR	Cobb, et al., "A Robotic System for TKR Surgery", Third Annual N.American Program on Computer Assisted Orthopaedic Surgery, Pittsburgh, PA, pp. 71-74, June 1999	<input type="checkbox"/>
	AS		<input type="checkbox"/>

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/621,119</td> </tr> <tr> <td>Filing Date</td> <td>July 16, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>QUAID, et al.</td> </tr> <tr> <td>Art Unit</td> <td>3768</td> </tr> <tr> <td>Examiner Name</td> <td>W. JUNG</td> </tr> <tr> <td>Attorney Docket No.</td> <td>MAKO 2 00027-3</td> </tr> </table>	Application Number	10/621,119	Filing Date	July 16, 2003	First Named Inventor	QUAID, et al.	Art Unit	3768	Examiner Name	W. JUNG	Attorney Docket No.	MAKO 2 00027-3
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Sheet 2 of 2													

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Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	BA			
	BB			
	BC			
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	BE			
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FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	BJ			
	BK			
	BL			
	BM			

OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published		T
	BN	Townsend, et al., "Teleoperator Slave - WAM Design Methodology", Industrial Robot, V. 26, No. 3, pp. 167-177, 1999	<input type="checkbox"/>	
	BO	Leeser, et al., "Computer-Assisted Teach and Play: Novel User-Friendly Robot Teach Mode Using Gravity Compensation and Backdrivability", Proc. of Robotic International/SME Fifth World Conference on Robotics Research, Cambridge MA, Sept. 1994	<input type="checkbox"/>	
	BP	Goswami, et al., "Identifying Robot Parameters Using Partial Pose Information", IEEE Control Systems Magazine, October 1993	<input type="checkbox"/>	
	BQ	Meggiolaro, et al., "Manipulator Calibration Using a Single Endpoint Contact Constraint", 26 th ASME Biennial Mechanisms Conference, Baltimore, MD 2000	<input type="checkbox"/>	
	BR	Bennett, et al, "Autonomous Calibration of Single-Loop Kinematic Chains Formed By Manipulators With Passive End-Point Constraints", IEEE Transactions on Robotics and Automation, V. 7, pp 597-606, 1991	<input type="checkbox"/>	
	BS	Roche, "Changing the Way Surgeons Plan and Execute Minimally Invasive Unicompartmental Knee Surgery", Orthopaedic Product News, pp. 16-18, July/August 2006	<input type="checkbox"/>	

Examiner Signature		Date Considered	
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